

ABSTRACT OF THE DISCLOSURE:



The present invention relates to flying airplane security during landing or taking off from the risk of surface to air missiles fired by shoulder held launchers as the heat seeking Stinger or SAM-18 missile. In Kenya two stinger missiles attempted to down an Arkia Israeli airliner carrying tourists. Stinger or SAM-18 surface to air missile available on black market and fired from shoulder-held launcher with heat seeking guidance head might be deadly to low flying passengers planes worldwide, the USA included. This missile deflector system positioned at the rear belly of the plane comprises a missile detector and a decoy IR light source sprung to trail the plane. The detector can be an infrared-daylight video camera with a fisheye lens, a flying laser spot, a flying line laser, a range finder, and with software for motion detection. The decoy heat source sprung from the socket dangles below and behind the plane or just behind it and generates intense IR to distract the missile away from the engine and renders safety whether detonation occurs or not.